

WHAT IS CLAIMED IS:

1. An underground storage system comprising:

an underground storage tank, the underground storage tank having a collar attached thereto;

5 a riser, the riser having a sidewall including a bottom end and a top end, the bottom end having an annular, inwardly projecting riser flange attached thereto;

an adapter connected between the collar and the riser, the adapter having an adapter top and an adapter bottom, the adapter bottom being sized and configured to mate with the collar, the adapter top including an inwardly projecting adapter flange sized and configured to mate with the riser flange.

10

2. The underground storage system of Claim 1, wherein the underground storage tank includes a manway positioned in an interior of the collar.

3. The underground storage system of Claim 1, further comprising a plurality of fasteners positioned to secure the adapter flange to the riser flange, wherein the adapter flange and the riser flange each have a plurality of holes formed therein, each of the holes being sized to accept at least one of the fasteners.

15

4. The underground storage system of Claim 1, further comprising at least one double walled pipe, the double walled pipe having an inner pipe and an outer pipe forming an annular space therebetween, wherein the riser is adapted to form a containment sump together with the collar and the adapter, the annular space being in fluid communication with an interior of the containment sump.

20

5. The underground storage system of Claim 1, wherein the underground storage tank is a double-walled underground storage tank.

6. The underground storage system of Claim 1, wherein the underground storage tank and the adapter are formed from fiber reinforced plastic (FRP).

7. The underground storage system of Claim 6, wherein the riser is formed from FRP.

5 8. The underground storage system of Claim 6, wherein the riser is formed from polypropylene.

9. The underground storage system of Claim 1, wherein the adapter is formed from a first material and the riser is formed from a second material different from the first material.

10 10. A method for installing an underground storage system comprising the steps of:

attaching an adapter to a collar, the collar being attached to an underground storage tank, the adapter having an adapter top and an adapter bottom, the adapter bottom being sized and configured to mate with the collar, the adapter top

15 including an inwardly projecting adapter flange; and

attaching a riser to the adapter, the riser having a sidewall including a bottom end and a top end, the bottom end having an annular, inwardly projecting riser flange attached thereto, the riser flange being sized to mate with the adapter flange.

20 11. The method of Claim 10, wherein the underground storage tank includes a manway positioned in an interior of the collar.

12. The method of Claim 10, wherein the adapter flange and the riser flange each have a plurality of corresponding holes formed therein and the riser is

attached to the adapter using a plurality of fasteners, at least one of the fasteners being positioned in each of the corresponding holes.

13. The method of Claim 10, further comprising the step of installing at least one double walled pipe having an inner pipe and an outer pipe forming an annular space therebetween, wherein the riser is adapted to form a containment sump together with the collar and the adapter, the double walled pipe being installed such that the annular space is in fluid communication with an interior of the containment sump.

14. The method of Claim 10, wherein the underground storage tank is a double-walled underground storage tank.

15. The method of Claim 10, wherein the adapter is attached to the collar prior to positioning the underground storage tank below ground level.

16. The method of Claim 10, wherein the underground storage tank and the adapter are formed from fiber reinforced plastic (FRP).

17. The method of Claim 16, wherein the riser is formed from FRP.

18. The method of Claim 16, wherein the riser is formed from polypropylene.

19. The method of Claim 10, wherein the adapter is formed from a first material and the riser is formed from a second material different from the first material.

20. A reverse flange collar adapter comprising:

a lower portion, the lower portion being sized and configured to mate with an attached collar of an underground storage tank; and

an upper portion, the upper portion having an inwardly projecting adapter flange sized to mate with an inwardly projecting riser flange.

21. An underground storage system comprising:

an underground storage tank, the underground storage tank having a collar
5 attached thereto, the collar having a top, the top including an inwardly projecting collar flange; and

a riser, the riser having a sidewall including a bottom end and a top end, the bottom end having an annular, inwardly projecting riser flange attached thereto, the riser flange being sized and configured to mate with the collar flange.

10 22. The underground storage system of Claim 21, wherein the underground storage tank includes a manway positioned in an interior of the collar.

23. The underground storage system of Claim 21, further comprising a plurality of fasteners positioned to secure the collar flange to the riser flange, wherein the collar flange and the riser flange each have a plurality of holes formed
15 therein, each of the holes being sized to accept at least one of the fasteners.

24. The underground storage system of Claim 21, wherein the collar is formed from a first material and the riser is formed from a second material different from the first material.

25. A method for installing an underground storage system comprising the
20 steps of:

attaching a collar to an underground storage tank, the collar having a collar top and a collar bottom, the collar top including an inwardly projecting collar flange; and

attaching a riser to the collar, the riser having a sidewall including a bottom end and a top end, the bottom end having an annular, inwardly projecting riser flange attached thereto, the riser flange being sized to mate with the collar flange.

5 26. The method of Claim 25, wherein the underground storage tank includes a manway positioned in an interior of the collar.

27. The method of Claim 25, wherein the collar flange and the riser flange each have a plurality of corresponding holes formed therein and the riser is attached to the collar using a plurality of fasteners, at least one of the fasteners being positioned in each of the corresponding holes.

10 28. The method of Claim 25, wherein the collar is formed from a first material and the riser is formed from a second material different from the first material.